**(FOR THE CANDIDATES ADMITTED
DURING THE ACADEMIC YEAR 2021 ONLY)**

21UBC624

REG.NO. :

N.G.M.COLLEGE(AUTONOMOUS): POLLACHI
END-OF-SEMESTER EXAMINATIONS: MAY-2024
COURSE NAME : B.C.A　　　　　　　　**MAXIMUM MARKS : 70**

SEMESTER   : VI　　　　　　　　　**TIME : 3 HOURS**

PART-III
PYTHON PROGRAMMING

SECTION-A　　　　**(10 X 1 = 10 MARKS)**

ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS.　　　　　　　**(K1)**

1. Who developed Python Programming Language?
   a) Wick van Rossum　　b) Rasmus Lerdorf　　c) Guido van Rossum　　d) Niene Stom
2.. The order of execution of the statements in a program is known as _____.
   a) flow of control　　b) central flow　　c) selection　　d) iteration
3. Which keyword is used for function?
   a) Fun　　　　b) Define　　　　c) def　　　　d) Function
4. When will the else part of try-except-else be executed?
   a) Always　　　　　　　　　b) When an exception occurs
   c) When no exception occurs　　　　d) When an exception occurs in to except block

5. class test:
     def __init__(self,a="Hello World"):
        self.a=a
     def display(self):
        print(self.a)
     obj=test()
     obj.display()

   a) The program has an error because constructor can't have default arguments
   b) Nothing is displayed　　　　　　c) "Hello World" is displayed
   d) The program has an error display function doesn't have parameters

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. (K2)

6. What are local variables and global variables in python?.

7. Write a note on break statement.

8. What is meant by Module?

9. What is the purpose using exceptions ?

10. Differentiate between an object and a class**.**

SECTION – B   **(5 X4 = 20 MARKS)**

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Examine the Python variables with example an example.
                                    (OR)
   b) Write a Python Program to Convert Seconds into Hours, Minutes and Seconds.

12. a)   A Commercial Bank has introduced an Incentive policy of giving Bonus to all its Deposit
        Holders.
         The Policy is as follows:
         (i) A Bonus of 2% of the Balance held on 31st is given to everyone of the irrespective
                balances.
         (ii) A Bonus of 5% is given to the Female Account Holders, if Balance is more than
                Rs.5000/--
        Write a Python Programming using nested if structured.
                                    (OR)
   b)   Calculate Sales Commission of representative sales:
                (i)   if Sales <=500 then no Commission
                (ii) if Sales > 500 and Sales <= 5000 then Commission = 10% of Sales
                (iii) if Sales >5000 then Commission = 500 + 8% of Sales –
                Write a R Programming using elif ladder

13. a)   Develop a Factorial value program using Recursive Function.
                                    (OR)
   b)   Compare the Formal and Actual Arguments in Function with example.

14. a) Classify the types of Exception with an example.
                                    (OR)
   b) Write a Python Program to Count the uppercase letter using File.

15. a) Construct a simple example demonstrating the process of overriding a method
        inherited from a parent class in python.
                                    (OR)
   b)   Illustrate a Case Study of Operator Overloading in Python .

SECTION –C   **(4 X 10 = 40 MARKS)**

ANSWER ANY FOUR OUT OF SIX QUESTIONS
(16ᵗʰ QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS)
(FROM Qn. No : 17 to 21)   `   **(K4 (or) K5)**

16. Write a Python Program to Implement Hierarchical Inheritance.

17.   Examine the data types supported by Python with example.

18   Describe the standard type operators in Python with example.

19   List the commonly used Mathematical Functions in Python Programming with an
     example.

20. How you Handle Multiple Exception in Python? Explain with example.

21. Discuss most frequently String Functions in Python Programming with an example.

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